

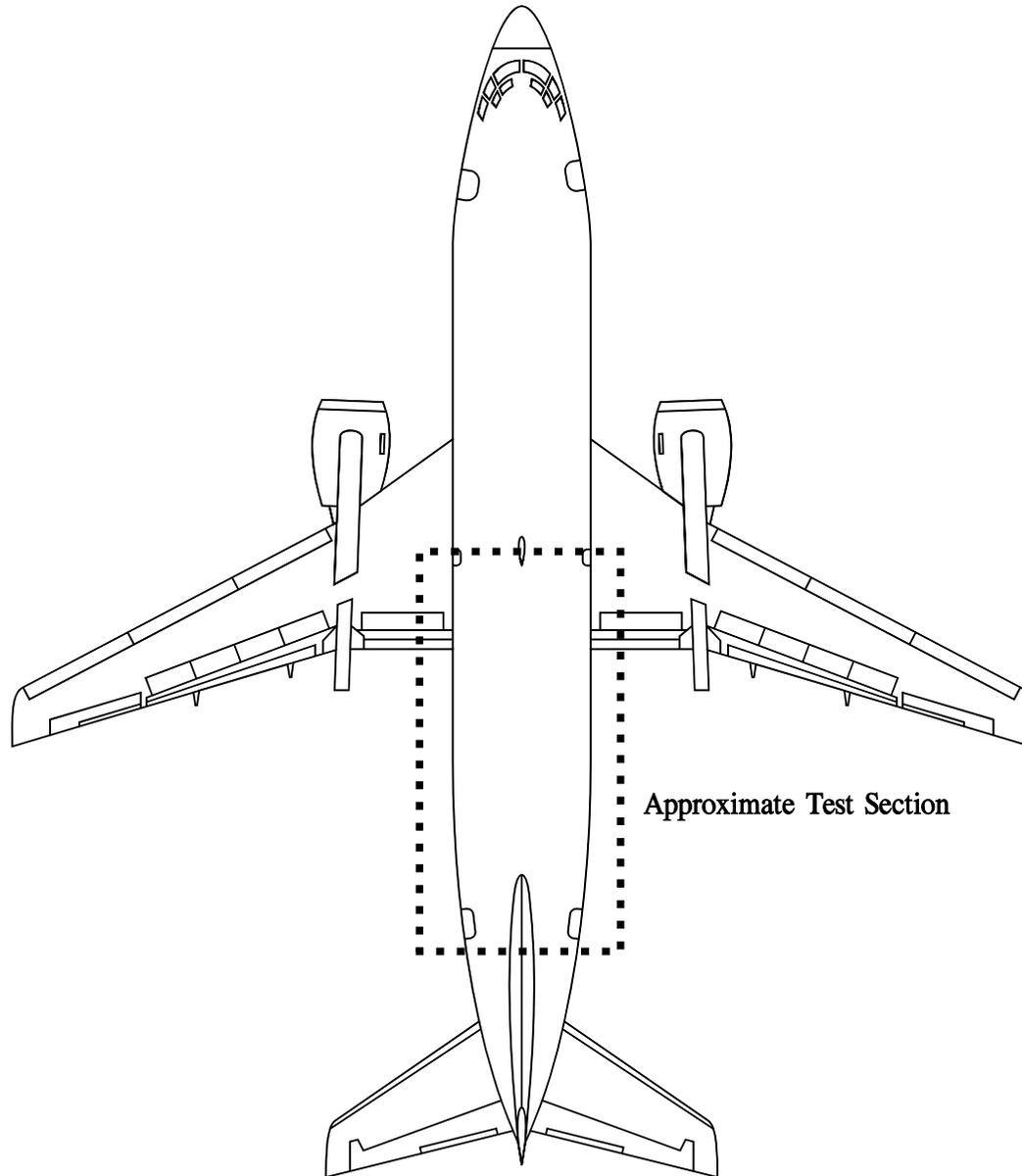
# Effectiveness of Handheld Extinguishers and Ceiling Mounted Ports Against Overhead Area Fires In Narrowbody Aircraft



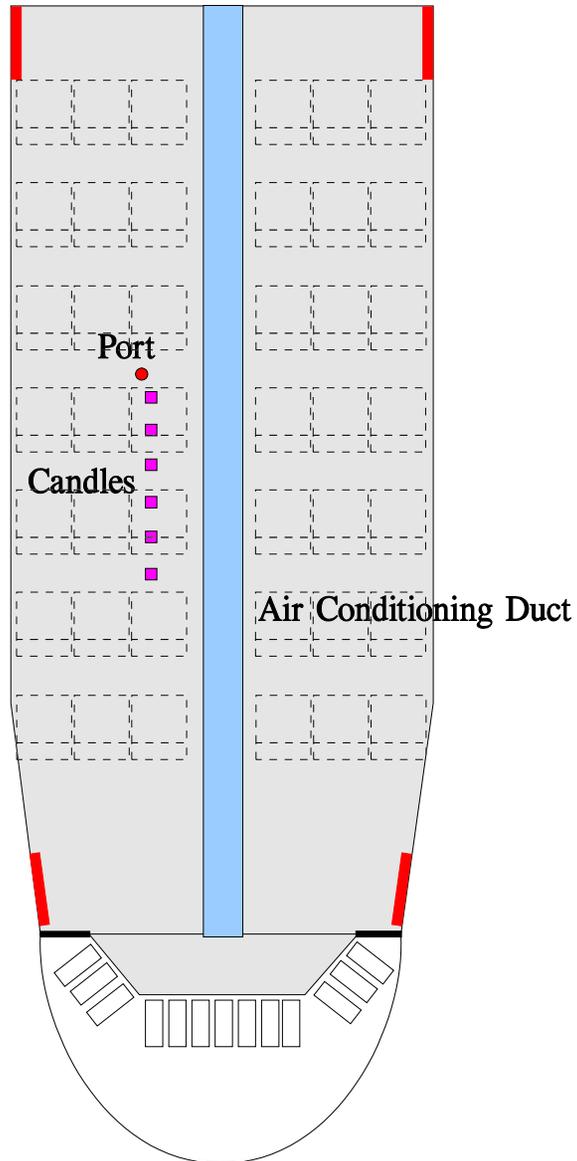
Tim Marker

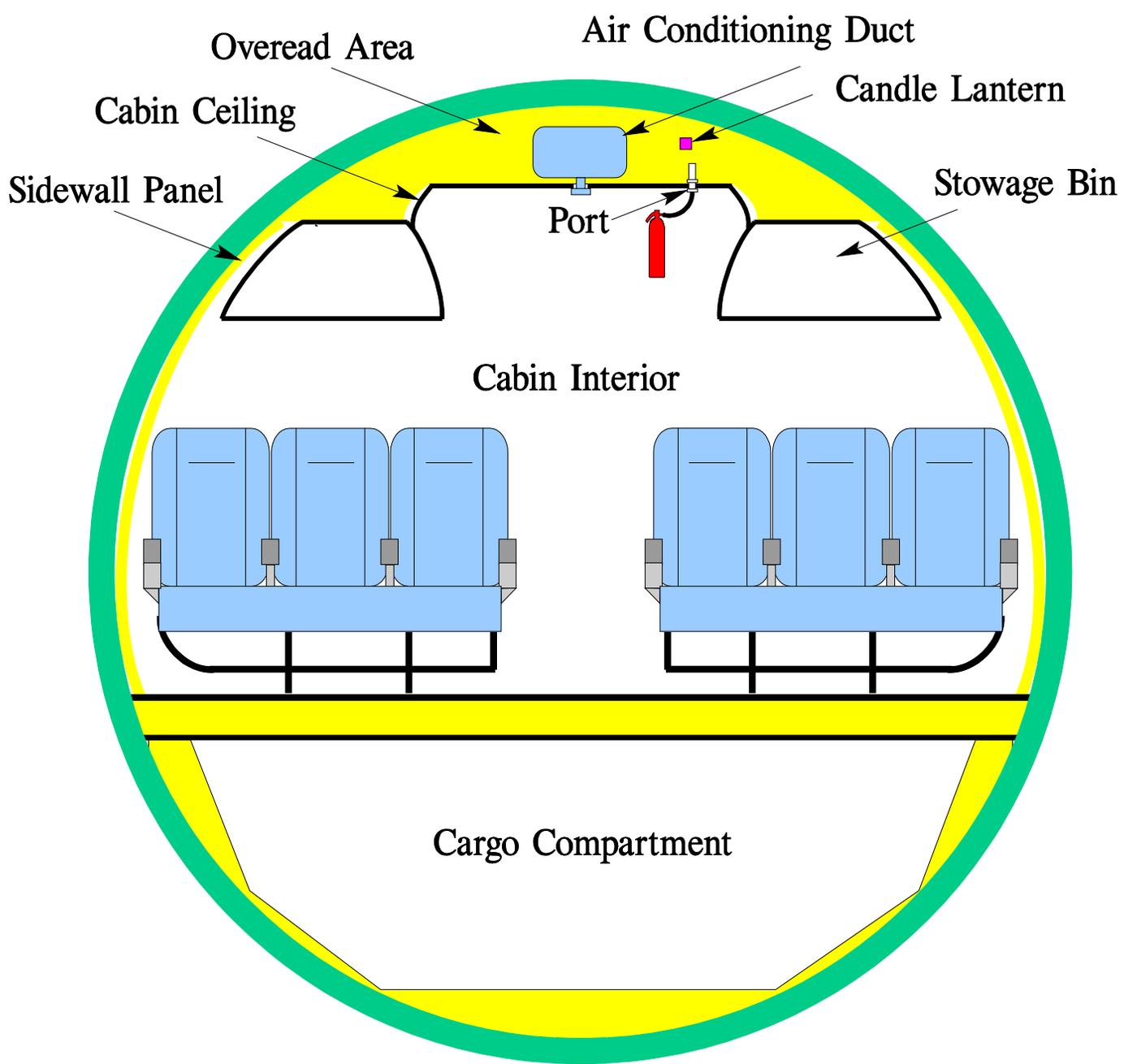
FAA Technical Center

# Narrowbody 737 Test Article



# Narrowbody Test Article





■ Hidden/Inaccessible Areas

# Narrowbody Test Article Showing Overhead Area



# Narrowbody Test Article Showing Location of Candle Lanterns



## Close-up of Overhead Area



# Technician Applying Agent Through Ceiling-Mounted Port

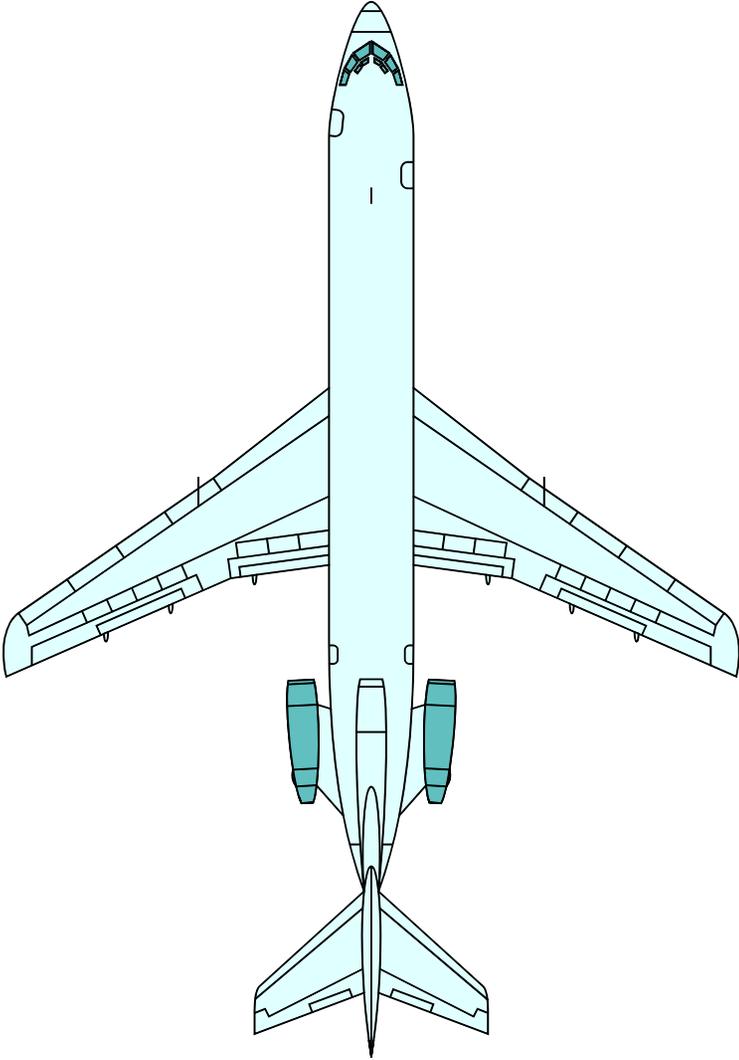


# Narrowbody Test Article Test Results

	Fast-Port Fitting Only	Fast-Port Prototype Head	Fast-Port 2nd Design Head	Fast-Port Feedthrough Head	Hole in Ceiling <sub>a</sub>
	Test 1	Test 2	Test 3	Test 4	Test 5
6 Along Crown (axial)	2	4	3	1	6
	Test 6	Test 7	Test 8	Test 9	Test 10
6 Along Crown (axial)	2	4	2	1	6

a. Extinguisher aimed towards candles

# Narrowbody 727 Test Article



# Narrowbody 727 Test Article



# 727 Test Article Fire Hardening

